BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work :IMPROVEMENT OF CC ROADS, DRAINS AND OTHER WORKS AT VIJAYALAKSHMI LAYOUT IN WARD NO 14

Schedule-B

EST COST-100.00 LAKHS

JOB CODE NO: 014-20-000113

| Sl No | Particulars of item | Unit | Qty | Sanctioned Rate in Figures | Rate in Words |
|---|---|---|---|---|---|
| 1 | KSRRB M200-2.4. Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.03 cum in volume and stock piling at designated locations and disposal of dismantled materials stacking serviceable and unserviceable materials seperately complete as per specifications MORTH Specification No. 202 complete as per specification with all lead and lift and as per the directions of the Engineer incharge. | Cum | 121.11 | 952.94 | |
| 2 | KSRRB M200-15.2. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. iii) Dismantling Stone Masonry.B. Rubble stone masonry in cement mortar, MORTH Specification No. 202 complete as per specification with all lead and lift and as per the directions of the Engineer incharge. | Cum | 357 | 372.06 | |
| 3 | KSRRB 300 - Excavation for road, drains and similar works. KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 complete as per specification with all lead and lift and as per the directions of the Engineer incharge. | Cum | 738.045 | 137.8 | |
| 4 | KSRB 4-1.7 : Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs. with 20mm and down size graded granite metal coarse aggregates @0.84cum and fine aggregtes @ 0.56cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 complete as per specification with all lead and lift and as per the directions of the Engineer incharge. | Cum | 167.4 | 5714.99 | |
| 5 | Providing and laying palin / reinforced cement concrete for side drain using M20 nominal mix conncrete with OPC cement @ 300kgs. with 20mm and down size graded granite metal coarse aggregates @0.69 cum and fine aggregtes @ 0.43cum, with super plasticisers @ 3 liters confirming to is 9103-1999 reafirmed-2008 at machine mixed, well compacted for walls and bottom including centering,shuttering, cost of materials,HOM of machinery, curing etc complete excluding cost of steel as per MORTH Specification No. 1500.1700.2200 including cost of materials, labour, HOM (P.No. 271/1. No. 37.59.2 of CSR 2018-19) | Cum | 307.68 | 7189.45 | |

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|---|---|---|---|---|---|
| 6 | KSRBB M22pl. TMT-MS Bar Reinforcement KSRBB M22pl.6 Supplying, fixing and placing TMT Bar reinforcement in sub-structure complete as per drawing and Technical Specifications complete as per specifications&MORTH Specification Sec 1600 & 1700 TMT Bars Fe 500 complete as per specification with all lead and lift and as per the directions of the Engineer incharge. | Tonne | 33.076 | 73536.58 | |
| 7 | Providing & fixing Precast RCC slab of 100mm thick for drain in cement concrete 1:1.5:3 using graded granite jells 20mm and down size with steel reinforcement and pointing for joints 1:3 cement mortar including from work lift charges, curing and concrete finished surface on both side etc complete as per specification with all lead and lift and as per the directions of the Engineer incharge | Sqm | 976.56 | 1654 | |
| 8 | Providing and fixing precast reinforced cement concrete covering slabs of 30 Cm thick made out of M25 with OPC cement @ 340 Kgs per Cum,with 20mm and down size graded granite metal coarse aggregates @ 0.70 Cum and fine aggregated @ 0.71 Cum with super plasticisers, machine mixed, including providing and removing centering, shuttering, strutting propping etc., for edges of slabs with TMT steel (Fe500) cost & reinforcement charges, including finishing as required with cost of all materials, labour, all lead and lift. HOM of machinery, curing, including cost of reinforcement etc., complete as directed by the Engineer in charge of the work. complete as per specification with all lead and lift and as per the directions of the Engineer incharge. | Sqm | 7.2 | 5703 | |
| 9 | Providing & Fixing Precast RCC slab of 250mm thick for culverts made of plain/reinforced cement concrete desigh mix M25 with OPC @ 340 Kgs with 20mm and down size graded granite metal course aggregates @ 0.70 cum and fine aggregates @ 0.47 cum. with super plasticizer @ 3lts confirming to 189103-1999 Reaffirmed-2008m open foundation complete as per drawing and technical specification including cost of all materials. Labour. HOM curing form works, scaffoiding and centering complete as per specification and pointing for joints 1:3 cement mortor including form work. lift charges, curing and concrete finished surfacess on both sides etc.. complete as per specification with all lead and lift and as per the directions of the Engineer incharge. | Sqm | 36 | 3306.14 | |
| 10 | Removing and resetting of footpath slab complete as per specification with all lead and lift and as per the directions | Sqm | 195.84 | 208.82 | |
| 11 | KSRB 15.2.2 Providing ruled pointing to stone slab pavements with cement mortar 1:3, 20mm deep, after raking joints , including cost of materials, labour, curing complete as per specifications. complete as per specification with all lead and lift and as per the directions of the Engineer incharge. | Sqm | 115.2 | 48.76 | |

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|---|---|---|---|---|---|
| 12 | KSRRB M600-1 Construction of dry lean cement concrete mix CC1:5.10 with OPC cement @160Kgs, with 25mm and down size graded granite metal coarse aggregate at 0.86cum and fine aggregates @ 0.58cum Sub-base over a prepared sub-grade with fcoarse and fine aggregate conforming to IS: 383) aggregate cement ratio not to exceed 15:1. Aggregate gradation after blending to be as per Table 600-1, cement content not to be less than 160 kg/ cum, optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, laid with a paver with electronic sensor, compacting with 8-10 tonnes vibratory roller, finishing and curing complete as per specifications. MORTH Specification No 601-do- with OPC at 150. kg/cum and coarse aggregate 0.86cum, fineaggregate 0.58cum using Concrete Batch mix Plant at 75 cum/hr capacity with fixed form paver, complete as per specification with all lead and lift and as per the directions of the Engineer incharge. | Cum | 121.14 | 1918.5 | |
| 13 | KSRRB M400- Wet Mix Macadam KSRRB M400-17. Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification No. 406. complete as per specification with all lead and lift and as per the directions of the Engineer incharge. | Cum | 121.14 | 2001.28 | |
| 14 | Cement concrete pavement.Construction of un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051.2.2 design mix M20/M30 , with 25mm and down size graded granite metal coarse aggregates and fine aggregetes , with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008 , mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades as per drawing complete as per specifications. - M30 (at 360Kg per cum coarse aggregate @ 0.86mm and fine aggregate @ | Sqm | 121.14 | 5274.56 | |
| 15 | Vaccum de-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator, HOM of machinery, Screed Vibratory, Power Floater, blade and disc etc., with all lead and lift. complete as per specification with all lead and lift and as per the directions of the Engineer incharge. | Cum | 807.6 | 72.08 | |

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|---|---|---|---|---|---|
| 16 | KSRRB M100-4.1 Cost of Haulage Excluding Loading and Unloading MORTH -100/ Chapter 1 Case-I - Surface Road ITEM no 17.4 , KSRRB M100-1 Loading and Unloading of Stone Boulder / Stone aggregates /Sand/ Kanker / Moorum. KSRRB M100-1 : Placing tipper at loading point, loading with front end loader,dumping, turning for return trip, excluding time for haulage and return trip complete as per specifications. MORTH -100/ Chapter 1 complete as per specification with all lead and lift and as per the directions of the Engineer incharge. | Cum | 1216.185 | 137.092 | |

Signature of Contractor

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